IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Sam Clark Werner

Docket: TUC920020121US1 (16093)

Serial No.: Unassigned

Dated: December 10, 2003

Filed: Herewith

For: IMPROVEMENT FOR PPRC BACKUP SYSTEMS

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. §§1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. U.S. Patent No. 6,408,348, issued June 18, 2002 to Blount, et al.;

2. U.S. Patent No. 6,351,792, issued February 26, 2002 to Milillo;

3. U.S. Patent No. 6,349,350, issued February 19, 2002 to Hathorn, et al.;

4. U.S. Patent No. 6,304,980, issued October 16, 2001 to Beardsley, et al.;

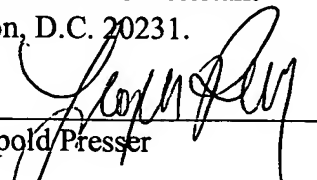5. U.S. Patent No. 6,199,074, issued March 6, 2001 to Kern, et al.;

G:\Ibm\1545\16093\AMEND\16093.idl.doc

6. U.S. Patent No. 6,185,652, issued February 6, 2001 to Shek, et al.;

7. U.S. Patent No. 6,131,148, issued October 10, 2000 to West, et al.;

8. U.S. Patent No. 6,105,078, issued August 15, 2000 to Crockett, et al.;

9. U.S. Patent No. 6,088,697, issued July 11, 2000 to Crockett, et al.;

10. U.S. Patent No. 6,044,444, issued March 28, 2000 to Ofek;

11. U.S. Patent No. 5,920,695, issued July 6, 1999 to Hathorn, et al.;

12. U.S. Patent No. 5,894,583, issued April 13, 1999 to Johnson, et al.;

13. International Publication No. WO 01/73554 A2, dated October 4, 2001;

14. International Publication No. WO 01/67247 A1, dated September 13, 2001;

15. "IBM ESS (Shark) and SANsymphony^{TM} Software – An IBM TotalStorage Proven ^{TM} Solution", DataCore Software Corporation, July 2002, pp. 1-6; and

16. "J. Consoli, "Achieving Disaster Recovery Preparedness in PPRC Environments", INRANGE Technologies, pp. 1-31.

Applicants are submitting copies of the above-cited non-U.S. references.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. §1.97(b), no petition, certification or fee is required.

Respectfully submitted,

Steven Fischman
Registration No. 34,594

SCULLY, SCOTT, MURPHY & PRESSER
400 Garden City Plaza
Garden City, New York 11530
(516) 742-4343
SF/LP:gc

G:\Ibm\1545\16093\AMEND\16093.idl.doc

		INFORMATION DISCLOSURE CITATION		Docket Number (Optional) TUC920020121US1 (16093)	Application Number Unassigned

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Docket Number (Optional) TUC920020121US1 (16093)	**Application Number** Unassigned
Applicant(s) Sam Clark Werner	
Filing Date Herewith	**Group Art Unit** Unassigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		6,408,348	06/18/02	Blount, et al			
		6,351,792	02/26/02	Milillo			
		6,349,350	02/19/02	Hathorn, et al			
		6,304,980	10/16/01	Beardsley, et al			
		6,199,074	03/06/01	Kern, et al			
		6,185,652	02/06/01	Shek, et al			
		6,131,148	10/10/00	West, et al			
		6,105,078	08/15/00	Crockett, et al			
		6,088,697	07/11/00	Crockett, et al			
		6,044,444	03/28/00	Ofek			
		5,920,695	07/06/99	Hathorn, et al			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES	Translation NO
		WO 01/73554 A2	10/04/01	PCT				
		WO 01/67247 A1	09/13/01	PCT				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

		"IBM ESS (Shark) and SANsymphonyTM Software - An IBM TotalStorage Proven TM Solution", DataCore Software Corporation, July 2002, pp. 1-6
		"J. Consoli, "Achieving Disaster Recovery Preparedness in PPRC Environments", INRANGE Technologies, pp. 1-31

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-A820
(als f rm PTO-1449)

P09A/REV04

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

INFORMATION DISCLOSURE CITATION
(Use several sheets if necessary)

Applicant(s) Sam Clark Werner	
Filing Date **Herewith**	Group Art Unit **Unassigned**

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5,894,583	04/13/99	Johnson, et al			

FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES	NO

OTHER DOCUMENTS   *(Including Author, Title, Date, Pertinent Pages, Etc.)*

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.